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APPLICANT(S): IDAN, Gavriel J. et al.
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38. (Currently Amended) A method for collecting and displaying in-vivo data from a GI tract, the method comprising:
- measuring in-vivo in the GI tract hydrostatic pressure in a pliant sleeve filled with fluid, said sleeve surrounded by a shell of a swallowable imaging device data by an in-vivo device;
 - collecting image data by said in-vivo swallowable imaging device to produce an image of the GI tract; and
 - simultaneously displaying said in-vivo pressure data and said image.
39. (New) A swallowable imaging device for collecting in vivo images and in vivo pressure data, said device comprising:
- a housing including an optical dome, a shell, and a pliant sleeve surrounding said shell, said pliant sleeve defining a space between the shell and the pliant sleeve, said space being filled with a fluid;
 - an imaging system enclosed in said housing behind said optical dome; and
 - a pressure gauge in contact with the fluid in said space between the shell and the pliant sleeve.
40. (New) The device of claim 39 further comprising a transmitter to transmit in vivo pressure data.
41. (New) The device according to claim 39 wherein the fluid is a liquid.
42. (New) The device according to claim 39 wherein the imaging system comprises an imager, illumination elements to illuminate an in vivo area and an optical element to focus reflected light onto the imager.
43. (New) The device according to claim 42 wherein the optical dome is a barrier to body fluids.
44. (New) The device according to claim 41 wherein said liquid is dielectric liquid.
45. (New) The device according to claim 44 wherein said pressure gauge is immersed in said dielectric liquid.
45. (New) The device according to claim 44 wherein at least one element of said device is immersed in said dielectric liquid.
46. (New) The device according to claim 39 wherein said pressure gauge is attached to said shell.

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47. (New) The device according to claim 39 wherein said pressure gauge is attached to said pliant sleeve.